

ABSTRACT

5 A micro and nano-particulate drug comprising a drug
substance and a surfactant in which the drug and
surfactant form a eutectic mixture. The matrix formed
between the drug substance and the surfactant has a
melting point less than the decomposition temperature of
the drug substance and thus provides the advantages of
reduced irritation due to the melting process without the
prior art problem of decomposition of the drug substance.
10 In one embodiment, crystals are formed while the mixture
is cooled at room temperature under high shear
conditions. In a second embodiment, a flowable material
may be formed which also contains the drug and that may
be incorporated into a pharmaceutical delivery system is
15 also disclosed. Methods of preparing the micro and nano-
particulate drug crystals and non-crystalline substance
are also contemplated in the inventive subject matter.